

ABSTRACT OF THE DISCLOSURE

A output queuing method for forwarding the packets sequentially in a switch network. Each port is related to a port output queue and a global output queue is shared by all port output queues. A FIFO (First In First Out) block is allocated into
5 each port output queue and the global output queue. The FIFO block contains a number of FIFO nodes. Based on the type and destination ports of the received packet, the fields of the related FIFO node in the port output queue and the global output queue are set. The packets are sent out or skipped based on the related fields.